



Inventor Name: Etsuo Koike, et al.  
 Application No.: 10/641,099  
 Filed: August 1, 2003  
 Group Art Unit: 3765  
 Reference No.: Q76776  
 (202) 663-7909  
 Page 1 of 5

FIG. 1

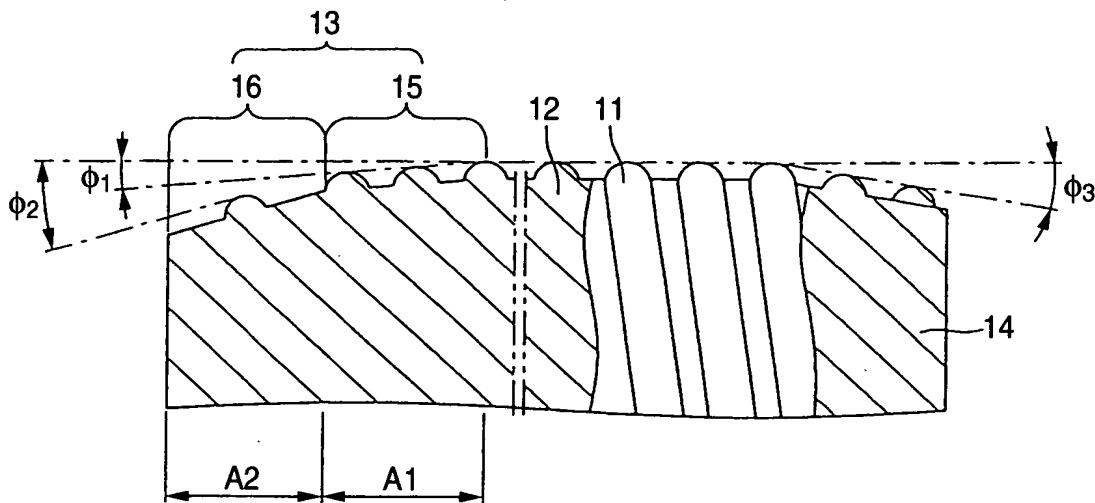
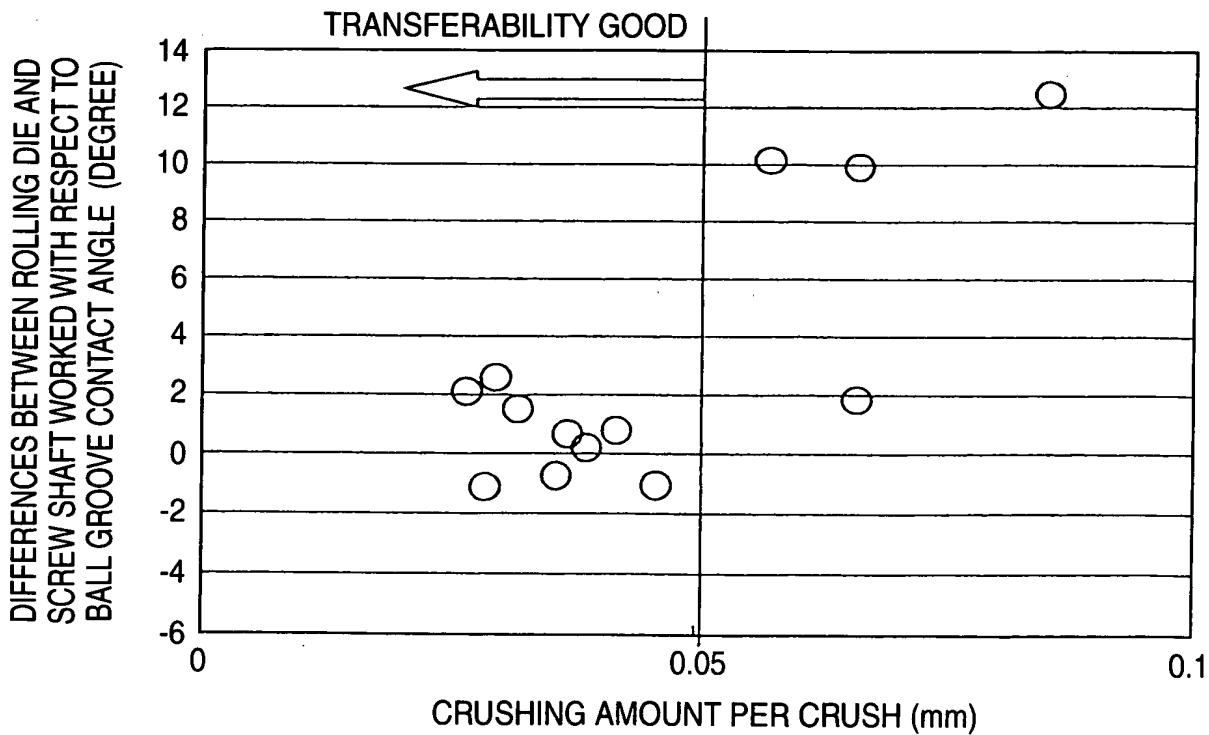
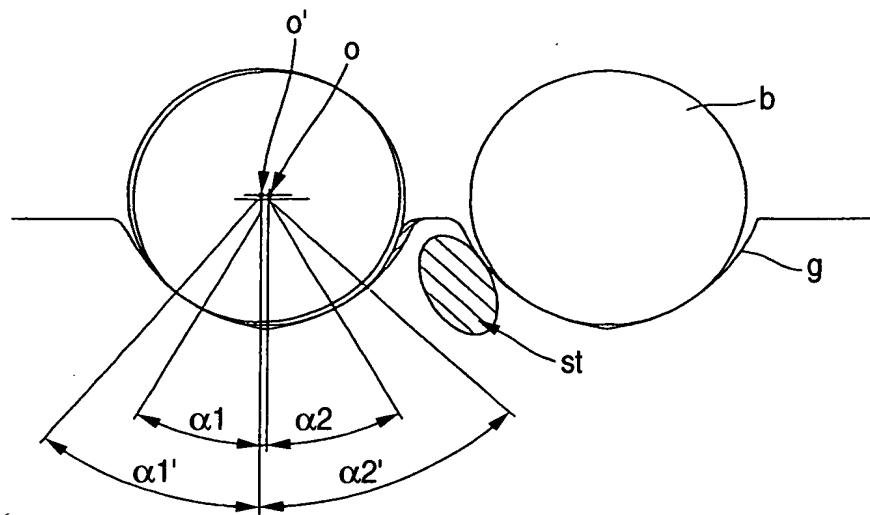


FIG. 2



**FIG. 3**



**FIG. 4**

	PRESENT INVENTION	RELATED ART
UNIT PRESSURE OR LOWER	0.010	0.085
CONTACT ANGLE DIFFERENCE BETWEEN ROLLING DIE AND SCREW SHAFT	3.5DEG	9DEG

FIG. 5

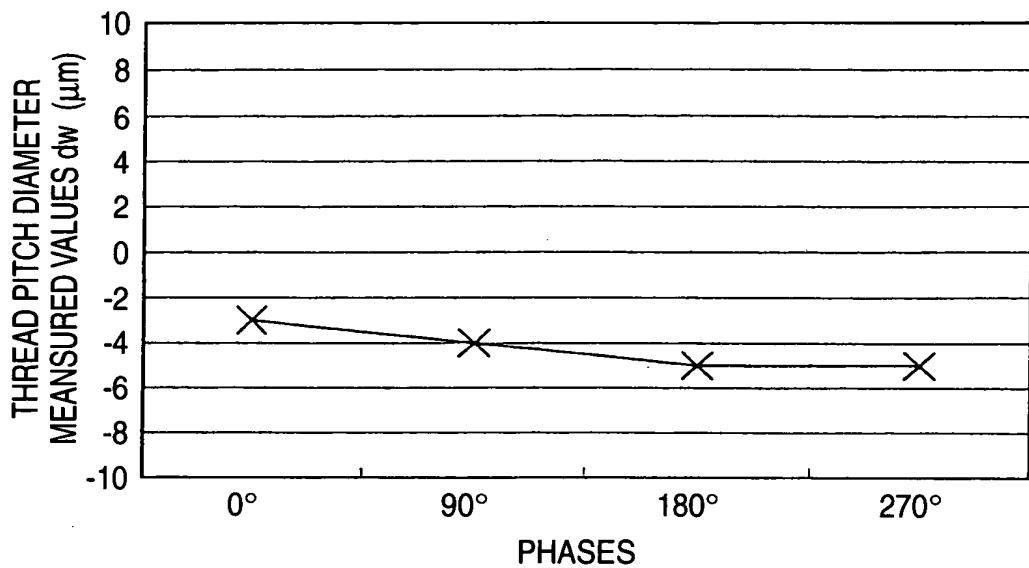
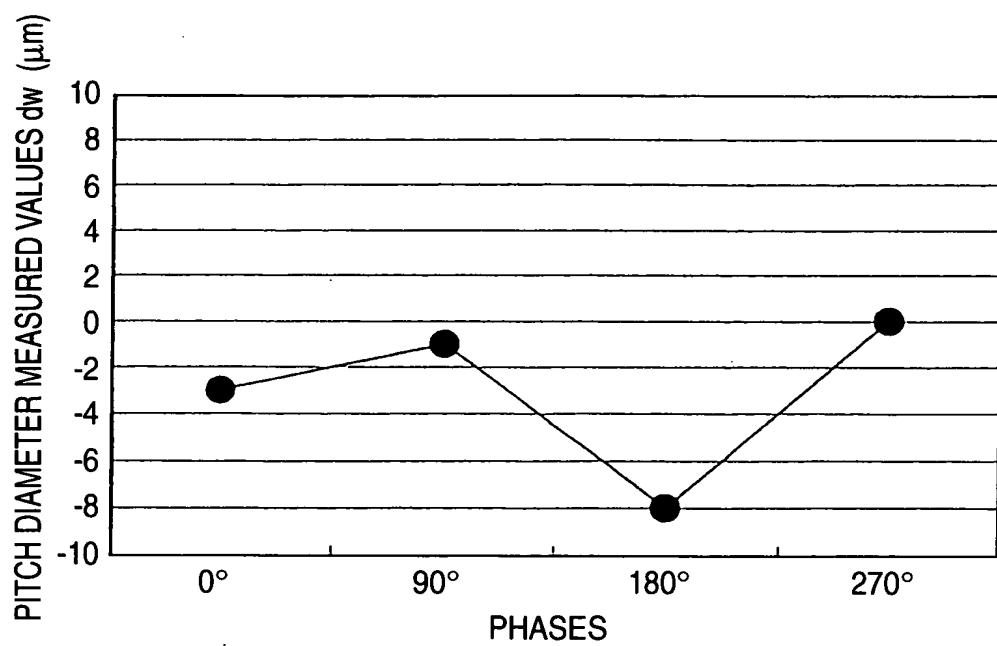
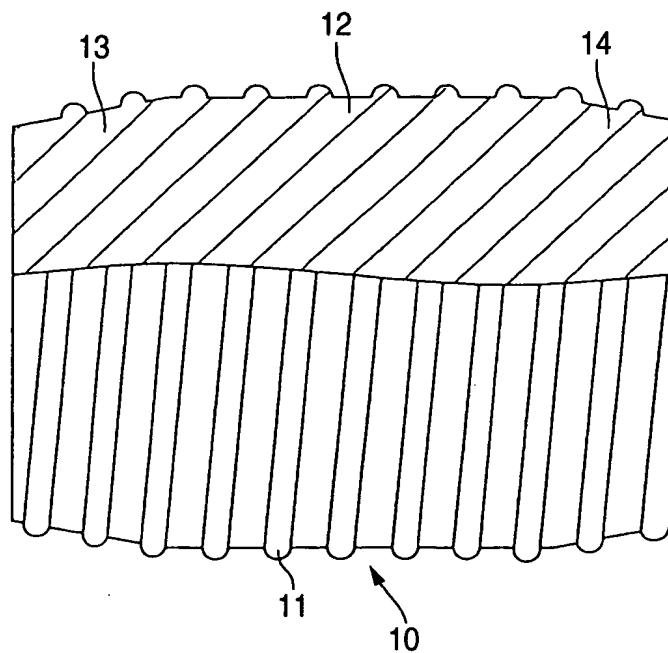


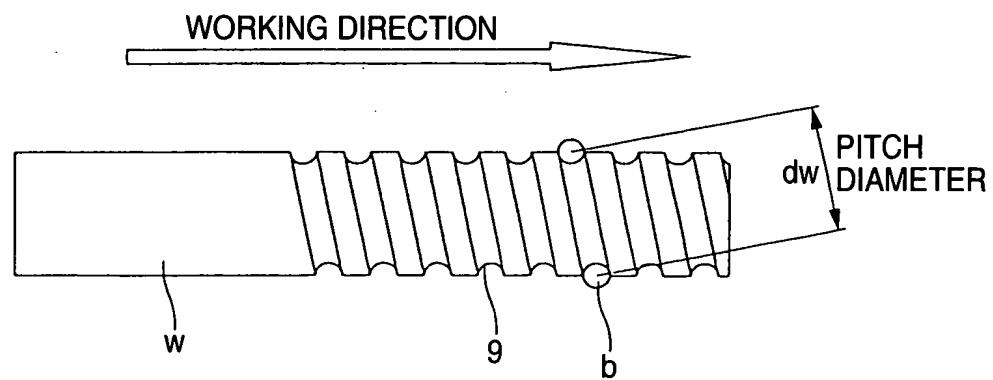
FIG. 6



**FIG. 7**



**FIG. 8**



**FIG. 9**

